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APPLICATION NO). F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,520	03/30/2004		Anthony G. Liepert	04-04 US	3306
23693	7590	06/12/2006		EXAMINER	
Varian In			TRIEU, THERESA		
Legal Depa 3120 Hans	artment en Way D-1	102	ART UNIT	PAPER NUMBER	
Palo Alto, CA 94304				3748	
				DATE MAILED: 06/12/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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Garage and	Application No.	Applicant(s)
	10/812,520	LIEPERT ET AL.
Office Action Summary	Examiner	Art Unit
	Theresa Trieu	3748
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO (36(a). In no event, however, may a reply be to will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDON	N. imely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed on <u>06 A</u> This action is FINAL. 2b) This Since this application is in condition for alloward closed in accordance with the practice under <u>B</u> 	s action is non-final. nce except for formal matters, pr	
·	en parto gadyro, 1000 C.B. 11,	00 0.0. 210.
Disposition of Claims 4) ☐ Claim(s) 1-5,9-13,15,17,18 and 20 is/are pend 4a) Of the above claim(s) 6-8,14,16 and 19 is/a 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3,9-11,13,15,17,18 and 20 is/are re 7) ☐ Claim(s) 4,5 and 12 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	are withdrawn from consideration	1.
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the drawing(s) be held in abeyance. So tion is required if the drawing(s) is of	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 	es have been received. Is have been received in Applicative documents have been received in Received in PCT Rule 17.2(a)).	tion No ved in this National Stage
Attachment(s)	o □ o	(DTO 440)
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:	

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DETAILED ACTION

This Office Action is responsive to the applicants' election filed on April 6, 2006.

Election/Restrictions

Applicants' election with traverse of Figs. 4A and 7 in the reply filed on April 6, 2006 is

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acknowledged. The traversal is on the ground(s) that the searches for the species would be

coextensive. This is not found persuasive because the applicants claim recite several limitations

which are mutually exclusive to the different species as noted by the examiner in the Restriction

Requirement mailed on March 7, 2006.

The requirement is still deemed proper and is therefore made FINAL.

Applicants' election of the species of Figs. 4A and 7 claims 1-5, 8-13, 15 and 17-20

being readable thereon is believed to be in error, claims 8 and 19 appear to read on the species of

Fig. 9; therefore, the examiner has not examined these claims on their merits. The examiner has

examined claims 1-5, 9-13, 15 and 17, 18 and 20 which read on the elected species of Figs. 4A

and 7. Claims 8 and 19 are withdrawn from consideration as being directed to a non-elected

species.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1, 2, 3, 9-11, 13, 15, 17, 18 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by any one of Busch et al. (Busch) (Patent Number 3,560,119) or Vulliez (Patent Number 3,802,809) or Pottier (Patent Number 6,022,202).

Regarding claims 1, 2, 3, 9-11, 13 and 15, Busch (as shown in Fig. 1) or Vulliez (as shown in Fig. 1) or Pottier (as shown in Fig. 1) discloses a scroll pumping apparatus comprising: a first/stationary scroll element (45, 46 in Busch; 13' in Vulliez; 114 in Pottier) including a stationary scroll blade and a second/orbiting scroll element (43, 44 in Busch; 23' in Vulliez; 131 in Pottier) including an orbiting scroll blade; a drive mechanism (42 in Busch; 19 in Vulliez; 140 in Pottier) operatively coupled to the second scroll element for producing orbiting motion of the second scroll element relative to the first scroll element; and a synchronization device (50 in Busch; 11, 28 in Vulliez; 160 in Pottier) comprising a strip having connected, substantially flat sections coupled between the first scroll element and the second scroll element; the synchronization device has a generally square configuration; the substantially flat sections of the synchronization device (11, 28 in Vulliez; 160 in Pottier) being joined by connecting sections (29, 30 in Vulliez; 194, 196 in Pottier); the scroll compressor as a vacuum pump or as a compressor; the strip (50 in Busch; 11, 28 in Vulliez; 160 in Pottier) including areas for connection to the orbiting scroll element (43, 44 in Busch; 23' in Vulliez; 131 in Pottier) and areas for connection to a stationary component (38 in Busch; 10" in Vulliez; 100 in Pottier) of the scroll pumping apparatus; the synchronization device (11, 28 in Vulliez; 160 in Pottier) having a closed loop configuration.

The method claims 17, 18 and 20 are inherent in the operation of any one the Busch or Vulliez or Pottier device.

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Allowable Subject Matter

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Claims 4, 5 and 12 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Prior Art

The IDS (PTO-1449) filed on March 30, 2004 and June 6, 2005 has been considered.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure and consists of three patents: Liepert et al. (U.S. Patent Number 6,764,288), Machida et al. (Publication Number JP 02-245488) and Makihira (Publication Number JP 11-280675), each further discloses a state of the art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Theresa Trieu whose telephone number is 571-272-4868. The examiner can normally be reached on Monday-Friday 8:30am- 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas E. Denion can be reached on 571-272-4859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TT June 5, 2006 Theresa Trieu Primary Examiner Art Unit 3748